Specification Amendments:

Please replace the ABSTRACT on page 60 with the following rewritten ABSTRACT:

Method and kits are provided for screening for transcription factor modulators efficiently. In one aspect, the method can be employed to profile multiple, different transcription factors activated in a sample in the presence of each of the transcription factor modulators. Comparison of the activated transcription factor profiles in the presence and absence of the modulator identifies the transcription factor modulator that modulates the activation of specific transcription factors.

Please replace the paragraph on page 7, line 16 with the following amended paragraph:

In another embodiment, a hybridization array is provided for use in identifying which of a plurality of different activated transcription factors are present in a biological sample by immobilizing transcription factor probes that form transcription factor probe - transcription factor complexes with different activated transcription factors, the array comprising: a substrate; and a plurality of hybridization probes immobilized on a surface of the substrate such that different hybridization probes are positioned in different defined regions on the surface, the different hybridization probes comprising a different transcription factor probe binding region capable of immobilizing a different transcription factor probe to the array, the transcription factor probe binding region comprising at least two copies of a ~~compliment~~ complement to a portion of a recognition sequence comprised on the transcription factor probe. The hybridization array may optionally further comprise an internal standard. For example, the array may further comprise biotinylated DNA which is employed as an internal standard.

Please replace the paragraph on page 24, line 11 with the following amended paragraph:

Applicant successfully isolated probe – transcription factor complexes from the sample using ~~agaraose~~ agarose gel electrophoresis. Interestingly, despite the fact that ~~agaraose~~ agarose gel electrophoresis does not provide the same quality separation as other forms of gel electrophoresis (e.g., acrylamide gel electrophoresis), the resolution provided using ~~agaraose~~ agarose is more than sufficient to effectively separate the probe – transcription factor complexes. Meanwhile, agarose proved to have satisfactorily low retention of the DNA probes in the complex, thereby allowing the probes to be further characterized.

Please replace the paragraph on page 38, line18 with the following amended paragraph:

A further embodiment of this application of the present invention relates to a library of transcription factor probes and hybridization array comprising ~~compliments~~ complements to the library of transcription factor probes are provided where the transcription factor probes comprise recognition sequences from multiple different cell types. A kit is also provided that comprises both the library of probes and the hybridization array. The kit may also include instructions for isolating the transcription factor probe – activated transcription factor complexes using an agarose gel, either in combination with the library, the hybridization array, or both.

Please replace the paragraph on page 39, line 10 with the following amended paragraph:

A further embodiment of this application of the present invention relates to a library of transcription factor probes and hybridization array comprising ~~compliments~~ complements to the library of transcription factor probes are provided where the transcription factor probes comprise recognition sequences from multiple different organisms. A kit is also provided that comprises both the library of probes and the hybridization array. The kit may also include instructions for isolating the transcription factor probe – activated transcription factor complexes using an agarose gel, either in combination with the library, the hybridization array, or both.

Please replace the paragraph on page 48, line 1 with the following amended paragraph:

If the DNA probes used to perform this method are known, a simple hybridization array having ~~compliments~~ complements to the DNA probes in the library may be employed, as described above. However, if a random library of DNA probes is employed, any isolated DNA probes can be characterized by existing position-fixed DNA array technology.